

**NATURAL RESOURCES CONSERVATION SERVICE  
DOCUMENTATION AND CERTIFICATION**

**POND SEALING OR LINING – FLEXIBLE MEMBRANE  
Code 521-A**

The items below shall be recorded in the conservation plan, conservation notes or an approved form as minimum documentation requirements for a practice.

1. Location and Site Investigation

Environmental Checklist Form (CB-EVC-2)  
Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide  
Location Map (Topographic Quadrangles)  
Aerial Photos  
Surveying Plat (Property Limits)  
Flooding Maps (FEMA)  
SHPO - Cultural Resources Inventory  
Maps from Utilities Co. Providers

References:

- TR-1, Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
- Conservation Map
- NRCS, GM 420, Part 401, Cultural Resources
- USGS Topographic Quadrangles

2. Soils/Geology Investigation

Geologic Maps  
Soil Boring - Form CB-ENG-016, Site Investigation Log Sheet  
Conservation Plan Soil Map  
Soil Testing Lab (Optional)  
Log Test Pit

References:

- NRCS Area Soil Survey
- TR-1, Form CB-ENG-016, Site Investigation Log Sheet
- Unified Soil Classification Chart

3. Engineering Survey

Form SCS-ENG-28  
Form SCS-ENG-29  
Surveying Computer Programs

References:

- 210-VI-TR-62, Engineering Layout, Notes, Staking and Calculations
- 210-VI-NEH-650.01, EFH Chapter 1, Engineering Survey

#### 4. Engineering Criteria

References:

- CB FOTG Sec. IV, Code 521-A, Pond Sealing or Lining – Flexible Membrane
- CB FOTG Sec. IV, Code 554, Drainage Water Management
- CB FOTG Sec. IV, Code 533, Pumping Plant for Water Control
- 210-VI-DN-24, Guide for the Use of Geotextiles
- 210-VI-SMN-7, The Mechanics of Seepage Analysis

#### 5. Drafting and Drawings

Drafting Computer Programs Output  
Sketches and Drawings

References:

- 210-VI-NEH-650.05, EFH Chapter 5, Preparation of Engineering Plans
- 210-VI-TR-73, Computer Aided Design and Drafting (CADD) Standards

#### 6. Engineering Cost Estimates

Local Suppliers Material Cost Lists

Reference:

- CB FOTG Section I, Cost Data

#### 7. Construction Materials and Specifications

Local Suppliers  
Federal Specification

References:

- 210-VI-NEH-650.17, EFH Chapter 17, Construction and Construction Materials
- 210-VI-NEH - Part 642, Specifications for Construction Contracts
- ASTM Standard Specifications

#### 8. Installation and Certification

Certification that application meets NRCS standards and specifications

Reference:

- 210-VI-NEH, Section 19, Construction Inspection